

48 Leona Drive, Suite C
Middleborough, MA 02346

Tel: (508) 923-0879

Fax: (508) 923-0894

www.brownandcaldwell.com

BROWN AND
CALDWELL

January 11, 2008

Massachusetts Department of Environmental Protection
Central Regional Office
Industrial Wastewater Management Program
627 Main Street
Worcester, MA 01608

Attention: Mr. Giles Steele-Perkins

RE: WESTMINSTER – Fitchburg/Westminster Sanitary Landfill
Permit for Industrial Sewer User (BWP IW 38), Transmittal No. W204973,
Project No. 132493

Dear Mr. Steele-Perkins:

On behalf of Resource Control, Inc. (RCI), Brown and Caldwell (BC), submits the enclosed application package for a MassDEP Permit for Industrial Sewer User (BWP IW 38, Transmittal No. W204973) for the Fitchburg/Westminster Sanitary Landfill facility, located in Westminster, Massachusetts.

A copy of the current facility industrial wastewater discharge agreement between RCI and the City of Fitchburg (City), dated July 30, 1986 is attached. Also attached is a copy of the 2007 analytical report, previously submitted in compliance with the City's permit.

The permit application fee in the amount of \$1,605 has been sent to MassDEP's Boston office, and a copy of the check is enclosed herewith.

Mr. Giles Steele-Perkins
January 11, 2008
Page 2

If you have any questions, or the need for additional information please contact me or Frank Sepiol at your earliest convenience.

Very truly yours,

Brown and Caldwell

A handwritten signature in black ink, reading "William C. Goodman". The signature is fluid and cursive, with a large initial "W" and a stylized "G".

William C. Goodman
Principal Engineer

WCG/mc

Attachments

cc: Robert S. Magnusson, Waste Management
Frank Sepiol, Resource Control, Inc.



Enter your transmittal number

W204973

Transmittal Number

Your unique Transmittal Number can be accessed online: <http://mass.gov/dep/service/online/trasmfrm.shtml> or call MassDEP's InfoLine at 617-338-2255 or 800-462-0444 (from 508, 781, and 978 area codes).

Massachusetts Department of Environmental Protection Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

* Note:
For BWSC Permits,
enter the LSP.

A. Permit Information

BWP IW 38

Industrial Wastewater

1. Permit Code: 7 or 8 character code from permit instructions
Permit for Industrial Sewer User

2. Name of Permit Category

3. Type of Project or Activity

B. Applicant Information – Firm or Individual

Resource Control, Inc.

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

N/A

N/A

2. Last Name of Individual

3. First Name of Individual

4. MI

4 Technology Drive

5. Street Address

Westborough

MA

01581

(413) 519-3916

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

Frank Sepiol

fsepiol@wm.com

11. Contact Person

12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Fitchburg/Westminster Sanitary Landfill

1. Name of Facility, Site Or Individual

101 Fitchburg Road

2. Street Address

Westminster

MA

01473

(978) 874-0056

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

Brown and Caldwell

1. Name of Firm Or Individual

48 Leona Drive

2. Address

Middleborough

MA

02346

(508) 923-0879

1411

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

Bill Goodman

8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? ☐ yes ☒ no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

DEP Use Only

Special Provisions:

1. ☐ Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. ☐ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. ☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. ☐ Homeowner (according to 310 CMR 4.02).

Permit No:

Rec'd Date:

Reviewer:

081228

\$1,605

1/8/2008

Check Number

Dollar Amount

Date

BROWN AND
CALDWELL

BROWN AND CALDWELL

1697 COLE BLVD., SUITE 200
GOLDEN, CO 80401
(303) 239-5400

PAYABLE IF DESIRED AT
UNION BANK OF CALIFORNIA
CALIFORNIA, OREGON, WASHINGTON
UBOC DISBURSEMENT SERVICES

81228

53-26
113

1/8/2008

NO. 081228

PAY *****1,605 DOLLARS AND*****00 CENTS \$ *****1,605.00

TO THE
ORDER
OF

COMMONWEALTH OF MASSACHUSETTS
PO BOX 4062
BOSTON, MA 02211

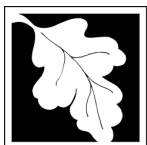
VOID AFTER 90 DAYS

Valeri Fekun

AUTHORIZED SIGNATURE

WARNING: THIS DOCUMENT IS VOID IF ACCOUNT NUMBER DOES NOT APPEAR ON THE REVERSE SIDE IN RED

⑈081228⑈ ⑆011302920⑆ ⑈9080003037⑈960000



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

DEP Use Only

Date Received

Important Instructions for Completing This Form

The questions on this form apply to existing and new facilities discharging industrial wastewater to sewers. If you are completing this form for an existing facility, answer the questions as they apply to its current status. If you are completing this form for a new facility, your answers will reflect your commitment to comply with the requirements as set forth in each question.

Existing facilities are defined as facilities in existence as of July 12, 2007. New facilities are defined as facilities constructed after July 12, 2007.

Answer all questions, except those that you are directed to skip. Please DO NOT answer questions that you are directed to skip

Permit Category (Select One)

- ☒ BWP IW 38: Industrial Sewer User in IPP POTW discharging more than 50,000 GPD
- ☐ BWP IW 39: Industrial Sewer User in Non-IPP POTW discharging more than 25,000 GPD

A. Facility Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Fitchburg/Westminster Sanitary Landfill

1a. Facility Name

101 Fitchburg Road

1b. Facility Address 1

1c. Facility Address 2

Westminster

1d. City

(978) 874-0056

1g. Phone Number

04-2535063

1i. Federal Employer Tax Identification Number (FEIN or TIN)

MA

1e. State

(978) 874-6231

1h. Fax Number

01473

1f. Zip Code

Mailing Address: ☐ Check here if same as Facility Address and skip to Contact Information.

Resource Control, Inc.

2a. Mailing Address: Street or P.O. Box

4 Technology Drive

2b. Mailing Address 2

Westborough

2c. City

MA

2d. State

01581

2e. Zip Code

Contact Information:

Frank Sepiol

3a. Contact Person Name

Environmental Protection Manager

3b. Contact Person Title

(413) 519-3916

3c. Phone Number

fsepiol@WM.com

3e. Email Address

3d. Extension



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

B. Industrial Wastewater Information

1. Project Description (Check All That Apply)

- ☐ 1a. New Construction ☐ 1b. Permit Renewal
- ☐ 1c. Increasing Flow From Existing Connection ☐ 1d. New or Modified Industrial Wastewater Pretreatment System (IWPS)
- ☒ 1e. Existing Unpermitted Connection
(Constructed Before 7/12/07)

2. List, in descending order of significance, the Standard Industrial Classification (SIC) codes, which best describe the facility producing the discharge in terms of the principal products or services provided. Also, specify each classification title. (See Appendix B in the Instructions)

4953	Refuse Systems
2a. SIC Code	Description
2b. SIC Code	Description
2c. SIC Code	Description
2d. SIC Code	Description

3. List all sewer connection(s) and their maximum daily flow(s) in gallons per day (GPD) from your facility going to the Publicly Owned Treatment Works (POTW):

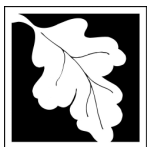
	1 3a. Connection #	2 3b. Connection #	3c. Connection #	3d. Total Flow, All Connections
SANITARY	120 GPD	30 GPD	GPD	150 GPD
INDUSTRIAL	72,000 GPD	0 GPD	GPD	72,000 GPD
TOTAL	72,120 GPD	30 GPD	GPD	72,150 GPD

4. Are you in compliance with the Massachusetts Historical Commission requirements?

- ☒ Yes ☐ No* *If No, You Must Comply With Massachusetts Historical Commission Requirements **BEFORE** You Can Submit This Application.

5. Are you in compliance with Massachusetts Environmental Policy Act (MEPA) requirements?

- ☒ Yes ☐ No* *If No, You Must Comply With MEPA Requirements **BEFORE** You Can Submit This Application.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

B. Industrial Wastewater Information (continued)

6. Check all pollutants that are present in your industrial wastewater **before** pretreatment, or if not treated, before discharge:

☒ 6a. Metals, Asbestos, Cyanide, Phenols

If Metals, Asbestos, Cyanide, or Phenols are present, provide concentrations in milligrams per liter (mg/L):

1. Antimony (total) (Sb)	<u>Not Tested (NT)</u> mg/L	9. Nickel (total) (Ni)	<u>NT</u> mg/L
2. Arsenic (total) (As)	<u>0.186</u> mg/L	10. Selenium (total) (Se)	<u>NT</u> mg/L
3. Beryllium (total) (Be)	<u>NT</u> mg/L	11. Silver (total) (Ag)	<u>NT</u> mg/L
4. Cadmium (total) (Cd)	<u>0.0064</u> mg/L	12. Thallium (total) (Tl)	<u>NT</u> mg/L
5. Chromium (hexavalent)	<u>NT</u> mg/L	13. Zinc (total) (Zn)	<u>NT</u> mg/L
6. Chrome (total) (Cr)	<u>NT</u> mg/L	14. Asbestos	<u>NT</u> mg/L
7. Copper (total) (Cu)	<u>0.0535</u> mg/L	15. Cyanide (total) (CN)	<u>NT</u> mg/L
8. Lead (total) (Pb)	<u>0.0175</u> mg/L	16. Phenols (total)	<u>NT</u> mg/L

☒ 6b. Toxic Pollutants (See Section 17B in the Instructions.)

If Toxic Pollutants are present, provide the total Toxic Pollutants concentration in micrograms per liter (ug/L):

83.9

6b1. Total Toxic Pollutants Concentration (ug/L)

NOTE: Use the **Toxic Pollutants Form** to list individual toxic chemicals and their concentrations.

☐ 6c. Total Petroleum Hydrocarbons (TPH) > 15 mg/L

☐ 6d. pH <5 and >10 Standard Units (S.U)

☒ 6e. Other*

*If Other Pollutants are present, describe them:

BOD (1,250 mg/L)

TSS (832 mg/L)

COD (4,000 mg/L)



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

B. Industrial Wastewater Information (continued)

7. Is Mercury (Hg) present in your industrial wastewater **before** pretreatment, or if not treated, before discharge?

☒ Yes

☐ No*

*If No, skip to Question 8.

7a. If Yes, have you identified all possible mercury sources and taken all reasonable steps to eliminate the mercury?

☐ Yes*

☒ No

*If Yes, skip to Question 8.

7b. If No, explain why.

The results for Mercury (Hg) are below 1 part per billion (ppb).

NOTE: As of May 1, 2009, all facilities must meet a discharge limit of 1 part per billion (ppb) for Mercury.

8. What is the name of the Publicly Owned Treatment Works (POTW) that receives your wastewater? (See Appendix C in the Instructions.)

City of Fitchburg Wastewater Treatment East
Plant

Name of POTW

9. Do you have a current sewer connection discharge permit or a current written approval issued by your local POTW? (See Section 17B in the Instructions.)

☒ Yes

☐ No*

*If No, you must obtain either a permit or, if a permit is not required, a written approval from your local POTW to discharge **BEFORE** you can submit this application.

If you have a permit, provide the following information, then skip to Question 10.

9a. Permit Number

9b. Permit Expiration Date

If you have a written approval, provide the following information:

July 30, 1986

9c. Date of Approval Letter

Mayor, Bernard E. Chartrand

9d. Name of Person Who Signed the Letter

10. Are your POTW and local Sewer Authority the same entity? (See Section 17B in the Instructions.)

☒ Yes*

☐ No

*If Yes, skip to Question 12.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

B. Industrial Wastewater Information (continued)

11. Do you have a current sewer connection discharge permit or a current written approval issued by your local Sewer Authority? (See Section 17B in the Instructions.)

☐ Yes

☐ No*

If No, you must obtain either a permit or written approval from your local Sewer Authority to discharge **BEFORE** you can submit this application.

If you have a permit, provide the following information, then skip to Question 12.

11a. Permit Number

11b. Permit Expiration Date

If you have a written approval, provide the following information:

11c. Date of Approval Letter

11d. Name of Person Who Signed the Letter

12. Is your facility currently classified as a Categorical Industrial User (CIU) pursuant to Federal Regulations? (See Appendix D in the Instructions.)

☐ Yes

☒ No*

*If No, skip to Section C.

12a. List all the Categorical Pretreatment Standards applicable to your facility.

12a1. Part Number

Point Source Category

12a2. Part Number

Point Source Category

12a3. Part Number

Point Source Category

12a4. Part Number

Point Source Category

C. Industrial Wastewater Pretreatment System

1. Do you have an on-site industrial wastewater pretreatment system (IWPS) to treat your industrial wastewater?

☐ Yes

☒ No*

*If No, skip to Section D.

1a. How many IWPSs do you have?

Number

NOTE: If you have more than one IWPS, please use an **Additional IWPS Form** for each additional IWPS.

1b. Provide a unique identifier (i.e. name) for this IWPS:

Identifier/Name



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

C. Industrial Wastewater Pretreatment System (continued)

1c. What is the Total Design Capacity of this IWPS?

Gallons Per Day

1d. What is the Average Daily Flow of this IPWS? (Estimate if this is a new facility.)

Gallons Per Day

1e. What is the Maximum Daily Flow of this IWPS? (Estimate if this is a new facility.)

Gallons Per Day

2. Is your IWPS designed and constructed to meet all local discharge standards and the applicable Categorical Industrial User (CIU) standards in 40 CFR Chapter I, Subchapter N?

☐ Yes

☐ No*

*If No, you must take immediate steps to address the non-compliance **BEFORE** you can submit this application.

3. Does this IWPS treat hazardous industrial wastewater or hazardous industrial wastewater sludge as defined in 314 CMR 7.02?

☐ Yes

☐ No*

*If No, skip to Question 12.

3a. Are you treating concentrated chemical baths, e.g. spent chemical baths, or off-specification products?

☐ Yes

☐ No*

*If No, skip to Question 4.

3b. If Yes, describe the concentrated chemical baths you are treating.

4. Does your IWPS meet the requirements of "treatment which is an integral part of the manufacturing process" as defined in 310 CMR 30.010?

☐ Yes*

☐ No

*If Yes, skip to Question 7.

5. Do you store hazardous industrial wastewater or hazardous industrial wastewater sludge that is generated in your IWPS or in your production processes, in tanks or containers?

Note: If you use in-ground tanks for storage of hazardous industrial wastewater or sludge and your IWPS is located in a Drinking Water Zone (see Section 17C of the Instructions; reference language in 310 CMR 30.605), you are not eligible to apply for a BWP IW 38 or BWP IW 39 permit. You must use form BWP IW 40 instead.

☐ Yes

☐ No*

*If No, skip to Question 7.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

C. Industrial Wastewater Pretreatment System (continued)

6. Are you in compliance with the requirements for tanks and containers in 310 CMR 30.342 and 343? (See Section 17C in the Instructions)

☐ Yes

☐ No*

*If No, you must take immediate steps to address the non-compliance **BEFORE** you can submit this application.

7. Do you have a U.S. Environmental Protection Agency (EPA) hazardous waste generator identification number?

☐ Yes

☐ No*

*If No, skip to Question 7b.

7a. What is your EPA identification number?

Skip to Question 8.

EPA ID # _____

7b. Explain why you do not have an EPA identification number.

8. Do you have a visible sign in place that warns against unauthorized entry into the IWPS area?

☐ Yes*

☐ No

*If Yes, skip to Question 9.

8a. Explain why you do not have a visible sign in place.

9. Do you have the required spill containment for the IWPS? (See Section 17C in the Instructions.)

☐ Yes*

☐ No

*If Yes, skip to Question 10.

9a. Explain why you do not have the required spill containment.

10. Is your IWPS located on land subject to flooding from a 100-year storm? (See Section 17C in the Instructions.)

☐ Yes

☐ No*

*If No, skip to Question 12.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

C. Industrial Wastewater Pretreatment System (continued)

11. Are you in compliance with the flood-proofing provisions in 310 CMR 30.701(2)? (See Section 17C in the Instructions.)

☐ Yes

☐ No*

*If Yes, skip to Question 12.

11a. Explain why you are not in compliance with the flood-proofing provisions in 310 CMR 30.701(2).

12. What type of IWPS do you have? (Check all that apply.)

☐ Fully Automated Industrial Wastewater Pretreatment System (FAIWPS)

☐ Continuous Discharge IWPS

☐ Batch IWPS

13. Is the IWPS exempt from classification? (See Section 17C in the Instructions.)

☐ Yes*

☐ No

*If Yes, skip to Question 14.

13a. What is the classification of this IWPS? (See 257 CMR 2.13: Classification of Wastewater Treatment Facilities.)

☒ Class 1I

☐ Class 2I

☐ Class 3I

☐ Class 4I

☐ Class 5 or 6C

☐ Class 1M

☐ Class 2M

☐ Class 3M

☐ Class 4M

13b. How was the IWPS' classification determined?

☐ In accordance with the requirements in 314 CMR 7.05(2)(g) 4. c. or d.

☐ By the Board of Certification of Operators of Wastewater Treatment Facilities

☐ Both

14. Is the IWPS staffed in accordance with the requirements of 314 CMR 7.05(2)(g) 5? (See Section 17C in the Instructions.)

☐ Yes*

☐ No

*If Yes, skip to Question 15.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

C. Industrial Wastewater Pretreatment System (continued)

14a. Explain why the IWPS is not staffed in accordance with 314 CMR 7.05(2)(g) 5.

15. Is this your first permit application under Permit Category BWP IW 38 or BWP IW 39 for this IWPS? Or, is this application a request for modification of this IWPS that currently has a BWP IW 38 or BWP IW 39 permit?

☐ Yes*

☐ No

*If Yes, you need to submit as an attachment the process flow diagram and description of the principal treatment processes for your IWPS. Otherwise, skip to Question 17.

16. How many attachments are included with this application in response to Question 15?

Number of Attachments

17. Have your sewer connection and IWPS been designed and constructed in compliance with the design and construction standards as set forth in 314 CMR 7.05(2)(g)3?

☐ Yes

☐ No*

*If No, skip to Question 17b.

17a. What is the Massachusetts Registered Professional Engineer (MAPE) signature date on the engineering plans?

Date

Skip to Question 18.

17b. Explain why your sewer connection and IWPS have not been designed and constructed in compliance with the design and construction standards as set forth in 314 CMR 7.05(2)(g)3.

18. Provide the following information about the Massachusetts Registered Professional Engineer (MAPE) who reviewed, stamped, and signed your engineering plans:

18a. Name

18b. Phone Number

18c. Mass. P.E. License Number

18d. Mass. P.E. Specialty



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

C. Industrial Wastewater Pretreatment System (continued)

19. Do you have an IWPS operation and maintenance manual that complies with the procedures and other requirements in 314 CMR 7.05(2)(g)6.?

☐ Yes*

☐ No

*If Yes, skip to Question 20.

19a. Explain why you do not have the required IWPS operation and maintenance manual.

20. Are you keeping your IWPS operation and maintenance manual current?

☐ Yes

☐ No

21. Are you implementing your IWPS operation and maintenance manual?

☐ Yes

☐ No

D. Monitoring, Reporting & Recordkeeping

1. Are you keeping your currently effective sewer discharge permit(s), IWPS plan(s), and current operation and maintenance manual(s) (as applicable) on-site at all times?

☒ Yes*

☐ No

* If Yes, skip to Question 2.

1a. Explain why you are not keeping these records on-site at all times.

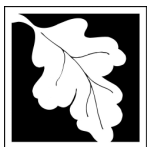
2. Are you keeping all your required records including your wastewater monitoring and analyses records, operation and maintenance records and logs, bills of lading, summary reports of all incidents requiring implementation of the safety plan, and hazardous waste manifests (as applicable) on-site for at least three years?

☒ Yes*

☐ No

* If Yes, skip to Question 3.

2a. Explain why you are not keeping these records on-site for at least three years.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

D. Monitoring, Reporting & Recordkeeping (continued)

3. [Reserved for Toxics Reporting]

Additional reporting requirements will be added to this section in the future.

E. General & Specific Prohibitions

1. After carefully reviewing all of the general and specific prohibitions listed below, are you in compliance with these General and Specific Prohibitions?

☒ Yes*

☐ No

*If Yes, read Section F and then complete Section G.

1a. Identify all the prohibitions you are not in compliance with and explain why. Attach an additional sheet of paper to this form, if necessary.

1. General Prohibitions. The permittee shall not:

a. Discharge, or cause to be discharged to a POTW, any substances, materials, or wastewater that may:

- i. harm the sewers, POTW wastewater treatment process or equipment;
- ii. have an adverse impact on the receiving waters; or
- iii. otherwise create a nuisance or endanger public health, safety, or the environment.

b. Introduce pollutants into POTWs that pass through the POTW or interfere with its operation or performance.

c. Discharge wastewater or allow discharge of wastewater through any sewer connection that would result in a hazard to the public health or safety.

d. Discharge bypass wastewater or allow discharge of bypass wastewater through any sewer connection. If bypassing due to an emergency condition occurs, the Department and POTW shall be notified in accordance with 314 CMR 7.04(3). Such notification or its acknowledgement shall not be construed as permission by the Department or POTW to discharge bypass wastewater.

e. Discharge hazardous waste or allow the discharge of hazardous waste through any sewer connection.

2. Specific Prohibitions. The permittee shall not introduce into a POTW or its wastewater collection system the following:

a. Pollutants which may create a fire, explosion, or other hazard in the POTW or its wastewater collection system.

b. Pollutants which may cause corrosive structural damage to the POTW or its wastewater collection system. In no case shall discharges with a pH lower than 5.0 Standard Unit (S.U) or more than 10.0 S.U. be allowed, unless the local limit allows such discharges.

c. Solid or viscous pollutants in amounts which may cause obstruction to the flow in the POTW or its wastewater collection system or may result in interference.

d. Any pollutant, including oxygen-demanding pollutants, discharged at a flow rate or pollutant concentration that will cause interference with the POTW or its wastewater collection system.

e. Heat in amounts which may inhibit biological activity in the POTW, resulting in interference. In no case shall heat in such quantities that the temperature at the POTW treatment plant exceeds 40° C (104° F) be discharged, unless the Department, upon request of the POTW, approves alternate temperature limits.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

F. Additional Conditions

- a. All discharges shall be in compliance with the terms and conditions of this permit. The discharge of any wastewater at a level in excess of that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of civil and/or criminal penalties as provided for in M.G.L. c.21, Section 42.
- b. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
 - i. Violation of any terms or conditions of the permit;
 - ii. Obtaining a permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. A change in conditions or the existence of a condition, which requires either a temporary or permanent reduction, or elimination of the authorized discharge.
- c. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; nor does it authorize or relieve the permittee of any liability for any injury to private property or any invasion of personal rights; nor any infringement of Federal, State, or local laws or regulations; nor does it waive the necessity of obtaining any local assent required by law for the discharge authorized herein by the Department.
- d. The provisions of this permit are severable, and the invalidity of any condition or subdivision thereof shall not make void any other condition or subdivision thereof.
- e. All information and data provided by an applicant or a permittee identifying the nature and frequency of a discharge shall be available to the public without restriction. All other information (other than effluent data) which may be submitted by an applicant in connection with a permit application shall also be available to the public unless the applicant or permittee is able to demonstrate that the disclosure of such information or particular part thereof to the general public would divulge methods or processes entitled to protection as trade secrets in accordance with the provisions of M.G.L. c.21, Section.27(7). Where the applicant or permittee is able to so demonstrate, the Department shall treat the information or the particular part (other than effluent data) as confidential and not release it to any unauthorized person. Such information may be divulged to other officers, employees, or authorized representatives of the Commonwealth or the United States Government concerned with the protection of public water or water supplies.
- f. Transfer of Permits. Any sewer system connection permit authorizing an industrial discharge to a sewer system is only valid for the person to whom it is issued, unless prior to transfer:
 - i. The current permittee notifies the Department in writing at least 30 days in advance of the proposed transfer date; and
 - ii. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibilities, and liability to the new permittee.
- g. This permit authorizing the discharge expires five (5) years from the date of issuance. The permittee shall apply for a renewal of this permit at least ninety (90) days prior to the expiration date, in accordance with 314 CMR 7.09(3)(b) for continued lawful discharges beyond the expiration date.
- h. All solids, sludge, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be collected, treated, and disposed of in accordance with applicable provisions in the following:
 - i. Hazardous waste regulations (310 CMR 30.000).
 - ii. Solid waste regulations (310 CMR 19.00).
 - iii. Sewer discharge regulations (314 CMR 7.00).
 - iv. Any other applicable federal, state and local laws.
- i. All samples shall be analyzed by a Massachusetts Certified Laboratory.
- j. The permittee shall provide the Department, and the Department's employees, authorized representatives and contractors, access at all reasonable times, including during wastewater treatment system operation or wastewater discharge, for purposes of conducting activities related to oversight of this permit, including inspections to monitor compliance with the terms herein. The permittee shall allow the Department to obtain information related to compliance with the requirements of this permit. Notwithstanding any provision of this permit, the Department retains all of its access authorities and rights under applicable state and federal law.



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
BWP IW 38 & BWP IW 39
Permit for Industrial Sewer User

W204973
Transmittal Number

Facility ID# (if known)

G. Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate, and complete. I certify that this facility is in compliance with all conditions and requirements of this permit, and all applicable statutes and regulations. I further certify that systems to maintain compliance are in place at the facility or unit and will be maintained even if processes or operating procedures are changed. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations."

(I will be responsible for publication of public notice of the applicable permit proceedings identified under 314 CMR 2.06(1)(a) through (d).)

Frank Sepiol

Printed Name of Applicant

Environmental Protection Manager

Title

Signature of Applicant

Date Signed

1/8/08

William C. Goodman,

Name of Preparer

Principal Engineer

Title

(508) 923-0879

Phone Number

MassDEP Use Only

Special Conditions:

This document is a permit issued pursuant to Massachusetts General Laws, Chapter 21, Section 43 and Massachusetts regulations at 314 CMR 7.00. The permittee shall comply with all of the provisions contained in the permit application which are hereby incorporated and made part of this permit.

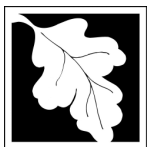
Date Issued

Permit Effective Date

Name of Regional BWP Section Chief

Permit Expiration Date

Signature



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
Toxic Pollutants Form
Use With Industrial Sewer Connection Certification

Fitchburg/Westminster
Landfill

Facility Name

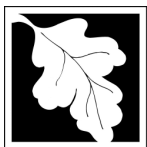
Facility ID# (if known)

Instructions: For the following groups of pollutants, check all that you know to be present in your industrial wastewater before pretreatment, and provide concentrations for the specific pollutants in the checked group(s).

☐ **100. Volatiles**

For all Volatile Organic Compounds (VOCs), provide concentrations in micrograms per liter (ug/L):

Pollutant Name	Concentration
101. acrolein	NT (Not Tested) ug/L
102. acrylonitrile	BRL (Below Reportable Limits) ug/L
103. benzene	BRL ug/L
104. bis (chloromethyl) ether	NT ug/L
105. bromoform	BRL ug/L
106. carbon tetrachloride	BRL ug/L
107. chlorobenzene	BRL ug/L
108. chlorodibromomethane	NT ug/L
109. chloroethane	BRL ug/L
110. 2-chloroethylvinyl ether	NT ug/L
111. chloroform	BRL ug/L
112. dichlorobromomethane	BRL ug/L
113. dichlorodifluoromethane	NT ug/L
114. 1,1-dichloroethane	BRL ug/L
115. 1,2-dichloroethane	BRL ug/L
116. 1,1-dichloroethylene	NT ug/L
117. 1,2-dichloropropane	BRL ug/L
118. 1,2-dichloropropylene	NT ug/L
119. ethylbenzene	39.8 ug/L
120. methyl bromide	NT ug/L
121. methyl chloride	NT ug/L



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
Toxic Pollutants Form
Use With Industrial Sewer Connection Certification

Fitchburg/Westminster
Landfill

Facility Name

Facility ID# (if known)

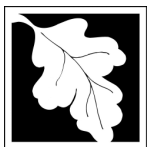
100. Volatiles (continued)

Pollutant Name	Concentration
122. methylene chloride	BRL ug/L
123. 1,1,2,2-tetrachloroethane	BRL ug/L
124. tetrachloroethylene	BRL ug/L
125. toluene	44.1 ug/L
126. 1,2-trans-dichloroethylene	NT ug/L
127. 1,1,1-trichloroethane	BRL ug/L
128. 1,1,2-trichloroethane	BRL ug/L
129. trichloroethylene	NT ug/L
130. trichlorofluoromethane	BRL ug/L
131. vinyl chloride	BRL ug/L

☐ **200. Acid Compounds**

For all Acid Compounds, provide concentrations in micrograms per liter (ug/L):

Pollutant Name	Concentration
201. 2-chlorophenol	BRL ug/L
202. 2,4-dichlorophenol	BRL ug/L
203. 2,4-dimethylphenol	BRL ug/L
204. 4,6-dinitro-o-cresol	NT ug/L
205. 2,4-dinitrophenol	BRL ug/L
206. 2-nitrophenol	BRL ug/L
207. 4-nitrophenol	BRL ug/L
208. p-chloro-m-cresol	NT ug/L
209. pentachlorophenol	BRL ug/L
210. phenol	BRL ug/L
211. 2,4,6-trichlorophenol	BRL ug/L



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
Toxic Pollutants Form
Use With Industrial Sewer Connection Certification

Fitchburg/Westminster
Landfill

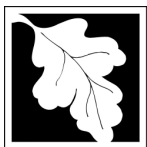
Facility Name

Facility ID# (if known)

☐ **300. Base/Neutral Compounds**

For all Base/Neutral Compounds, provide concentrations in micrograms per liter (ug/L):

Pollutant Name	Concentration
301. acenaphthene	BRL ug/L
302. acenaphthylene	BRL ug/L
303. anthracene	BRL ug/L
304. benzidine	BRL ug/L
305. benzo(a)anthracene	BRL ug/L
306. benzo(a)pyrene	BRL ug/L
307. 3,4-benzofluoranthene	NT ug/L
308. benzo(ghi)perylene	BRL ug/L
309. benzo(k)fluoranthene	BRL ug/L
310. bis(2-chloroethoxy)methane	BRL ug/L
311. bis(2-chloroethyl)ether	BRL ug/L
312. bis(2-chloroisopropyl)ether	BRL ug/L
313. bis(2-ethylhexyl)phthalate	BRL ug/L
314. 4-bromophenyl phenyl ether	BRL ug/L
315. butylbenzyl phthalate	BRL ug/L
316. 2-chloronaphthalene	BRL ug/L
317. 4-chlorophenyl phenyl ether	BRL ug/L
318. chrysene	BRL ug/L
319. dibenzo(a,h)anthracene	BRL ug/L
320. 1,2-dichlorobenzene	BRL ug/L
321. 1,3-dichlorobenzene	BRL ug/L
322. 1,4-dichlorobenzene	BRL ug/L
323. 3,3'-dichlorobenzidine	BRL ug/L



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
Toxic Pollutants Form
Use With Industrial Sewer Connection Certification

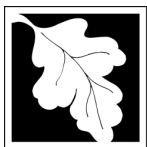
Fitchburg/Westminster
Landfill

Facility Name

Facility ID# (if known)

300. Base/Neutral Compounds (continued)

Pollutant Name	Concentration
324. diethyl phthalate	BRL ug/L
325. dimethyl phthalate	BRL ug/L
326. di-n-butyl phthalate	BRL ug/L
327. 2,4-dinitrotoluene	BRL ug/L
328. 2,6-dinitrotoluene	BRL ug/L
329. di-n-octyl phthalate	BRL ug/L
330. 1,2-diphenylhydrazine (as azobenzene)	BRL ug/L
331. fluoranthene	BRL ug/L
332. fluorine	BRL ug/L
333. hexachlorobenzene	BRL ug/L
334. hexachlorobutadiene	BRL ug/L
335. hexachlorocyclopentadiene	BRL ug/L
336. hexachloroethane	BRL ug/L
337. indeno(1,2,3-cd)pyrene	BRL ug/L
338. isophorone	BRL ug/L
339. naphthalene	BRL ug/L
340. nitrobenzene	BRL ug/L
341. N-nitrosodimethylamine	BRL ug/L
342. N-nitrosodi-n-propylamine	BRL ug/L
343. N-nitrosodiphenylamine	BRL ug/L
344. phenanthrene	BRL ug/L
345. pyrene	BRL ug/L
346. 1,2,4-trichlorobenzene	BRL ug/L



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
Toxic Pollutants Form
Use With Industrial Sewer Connection Certification

Fitchburg/Westminster
Landfill

Facility Name

Facility ID# (if known)

☐ **400. Pesticides**

For all Pesticides, provide concentrations in micrograms per liter (ug/L):

Pollutant Name	Concentration
401. aldrin	BRL
	ug/L
402. alpha-BHC	BRL
	ug/L
403. beta-BHC	BRL
	ug/L
404. gamma-BHC	BRL
	ug/L
405. delta-BHC	BRL
	ug/L
406. chlordane	BRL
	ug/L
407. 4,4'-DDT	BRL
	ug/L
408. 4,4'-DDE	BRL
	ug/L
409. 4,4'-DDD	BRL
	ug/L
410. dieldrin	BRL
	ug/L
411. alpha-endosulfan	BRL
	ug/L
412. beta-endosulfan	BRL
	ug/L
413. endosulfan sulfate	BRL
	ug/L
414. endrin	BRL
	ug/L
415. endrin aldehyde	BRL
	ug/L
416. heptachlor	BRL
	ug/L
417. heptachlor epoxide	BRL
	ug/L
418. PCB-1242	BRL
	ug/L
419. PCB-1254	BRL
	ug/L
420. PCB-1221	BRL
	ug/L
421. PCB-1232	BRL
	ug/L
422. PCB-1248	BRL
	ug/L
423. PCB-1260	BRL
	ug/L



Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Industrial Wastewater
Toxic Pollutants Form
Use With Industrial Sewer Connection Certification

Fitchburg/Westminster
Landfill
Facility Name
Facility ID# (if known)

400. Pesticides

Pollutant Name

Concentration

424. PCB-1016

BRL

ug/L

425. toxaphene

BRL

ug/L

500. Total Toxic Pollutants*

83.9

ug/L

*Use this total in your answer to Question 5b in Section B of the Industrial Sewer Connection Certification form.

PAPER SLUDGE DISPOSAL AGREEMENT BETWEEN RESOURCE CONTROL INCORPORATED OF BARRE,

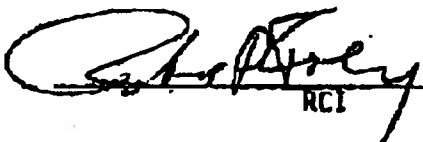
MASSACHUSETTS AND THE CITY OF FITCHBURG

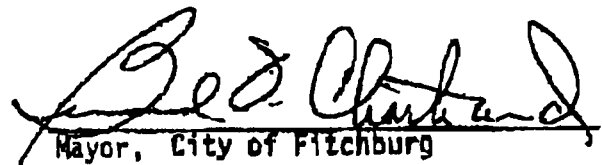
WHEREAS Resource Control Incorporated (here-in-after referred to as RCI) is the contract operator of the Fitchburg-Westminster Sanitary Landfill and is desirous of disposing of the leachate emanating from the landfill and whereas the City of Fitchburg (here-in-after referred to as the City) is the owner of the Fitchburg-Westminster Landfill and is desirous of disposing of waste paper sludge at the landfill, RCI and the City hereby enter into this agreement subject to the following conditions:

1. The City shall cause to be constructed at no cost to RCI, a pipeline adequate to transport up to 50 GPM of landfill leachate from a central collection point at the landfill to a public sewer connection tied to the West Fitchburg Wastewater Treatment Facility.
2. The City agrees to receive up to 50 GPM of leachate into the West Fitchburg Wastewater Facility and to process said leachate at no cost to RCI providing RCI receives the West Fitchburg Wastewater Treatment Facility paper sludge in accordance with the subsequent conditions.
3. RCI shall provide and maintain a flow measuring system to verify the actual volume of leachate entering the City's sewer system and shall prevent solid debris from obstructing the City's pipeline. The City shall have the right to inspect, calibrate and sample at the flow measuring station at any time. In addition, should the leachate quality deteriorate such that the West Plant is unable to comply with any State or Federal requirement, RCI shall take whatever actions are necessary to render the offending leachate components or substances compatible with the West Plant process. If said deterioration occurs and is not corrected, the City may withhold future tipping fees until corrections are made.
4. RCI agrees to receive and properly dispose of all paper sludge from the West Fitchburg Wastewater Treatment Facilities' lagoons for as long as RCI is operating the landfill. Sludge will be hauled to the landfill by the City and deposited in areas designated by RCI. Deposit areas shall be reasonably maintained to minimize time delays and/or damage to City or City hired vehicles depositing the sludge. RCI shall not remove said paper sludge from the landfill area without specific approval from the Fitchburg Wastewater Facilities Commission. If RCI does remove paper sludge from the landfill without permission, the City may withhold future tipping fees equivalent to the estimated amounts removed.
5. The City agrees to pay RCI directly through its Wastewater Commission, the sum of \$2.50 per ton of sludge as weighed at time of delivery.

6. RCI agrees that the City may haul sludge during normal landfill operating hours and may haul at whatever rate the City or its contractor desires. It is understood, however, that the City will cooperate with RCI in every way possible, and that RCI will likewise cooperate with the City in arranging the details of each dumping and hauling activity, prior to the activity, to reduce financial hardship for either party to the greatest extent possible. Subject to the above, the City shall solely decide when to excavate and haul sludge to the landfill and RCI shall not restrict the City from hauling sludge at any time.
7. Should RCI transfer or assign its contract obligations to operate the Sanitary Landfill to any other entity or operator, it is understood that this agreement shall also be made a condition of said transfer or assignment.
8. The City, at its sole discretion, may discontinue permanently or temporarily the hauling of paper sludge to the landfill. Such action shall not void any other conditions of this agreement.
9. RCI agrees to abide by the City's Ordinance (Chapter 2, Article XII-A), governing the discharge of all waters and wastes into the public sewer system, and all other state and federal laws and regulations insofar as they effect the performance of their obligations under this contract.

This AGREEMENT is hereby mutually entered into on this 30th day of July 1986 in the County of Worcester, Massachusetts by:

 President
RCI

 Mayor, City of Fitchburg

RCI

City of Fitchburg

WASTEWATER TREATMENT FACILITIES COMMISSION

718 MAIN STREET, FITCHBURG, MA 01420
Office (978) 345-9622 Fax (978) 345-9623



Deborah Welch Wright - Chairperson
James Shurts, P.E. - Secretary

John S. Chicknavorian
Richard H. Healey
Neal L. Martin
Christopher O'Neill

Denis Meunier
Acting General Manager



May 14, 2004

Mr. Robert Magnusson
Market Area Engineer
Waste Management
4 Liberty Lane West
Hampton, NH 03842

RE: Fitchburg / Westminster Landfill Leachate Reporting

Dear Mr. Magnusson,

This letter is to acknowledge that the current leachate monitoring program at the Fitchburg / Westminster landfill, which is operated by Resource Control, Inc. (RCI), is acceptable to the City of Fitchburg (City). The City, however, is requiring the addition of aluminum to the previously outline parameters.

The approved monitoring parameters are as follows:

Parameter	Sampling Frequency
Ph	Quarterly
Temperature	Quarterly
Conductance	Quarterly
COD	Quarterly
TSS	Quarterly
Aluminum	Quarterly
Arsenic	Quarterly
Cadmium	Quarterly
Copper	Quarterly
Lead	Quarterly
Mercury	Quarterly

The above monitoring program is all this is required at this time by the City under its Sewer Use Ordinance. The City understands that RCI is in the process of submitting an Industrial Discharge Permit Application, which is expected to be received by the City no later than July 15, 2004. Please note that the Industrial Discharge Permit will most likely result in revised sampling and reporting requirements.

Sincerely,

Joseph Jordan

Joseph Jordan
IPP Manager

Copy: Mr. Denis Meunier, Acting GM WWTF
Mr. Joseph Schneider, Chief Engineer WWTF
Mr. Jeff Jerzyk, Fitchburg BOH

Clean Water Through Cooperation

TABLE-1
Resource Control, Inc.
Fitchburg/Westminster Sanitary Landfill
FL-E 2007

Date	3/29/2007	5/11/2007	8/6/2007	11/9/2007
Field Parameters				
pH (S.U.) (Grab)	6.55	7.35	6.70	7.20
Specific Conductivity (us/cm)	3,530	7,340	7,450	6,710
Temperature °C	9.3	16.9	21.2	12.8
Analytical Results <i>All units are expressed in mg/l unless otherwise specified.</i>				
Biological Oxygen Demand (BOD)	<600	1,160	1,250	966
Chemical Oxygen Demand (COD)	869	2,230	4,000	2,630
Total Suspended Solids (TSS)	88.0	68.0	832	208
Total Metals (mg/L)				
Aluminum	0.314	0.948	2.64	0.576
Arsenic	0.0359	0.108	0.155	0.186
Cadmium	<0.0025	<0.0025	0.0064	<0.0025
Copper	0.0071	<0.0050	0.0535	<0.0050
Lead	<0.0075	<0.0075	0.0175	0.0082
Mercury	<0.00020	0.00080	<0.00020	0.00058

Notes:

All samples are grab samples collected at the discharge pipe located in the FL-E pump station.